

DOE
b(3)

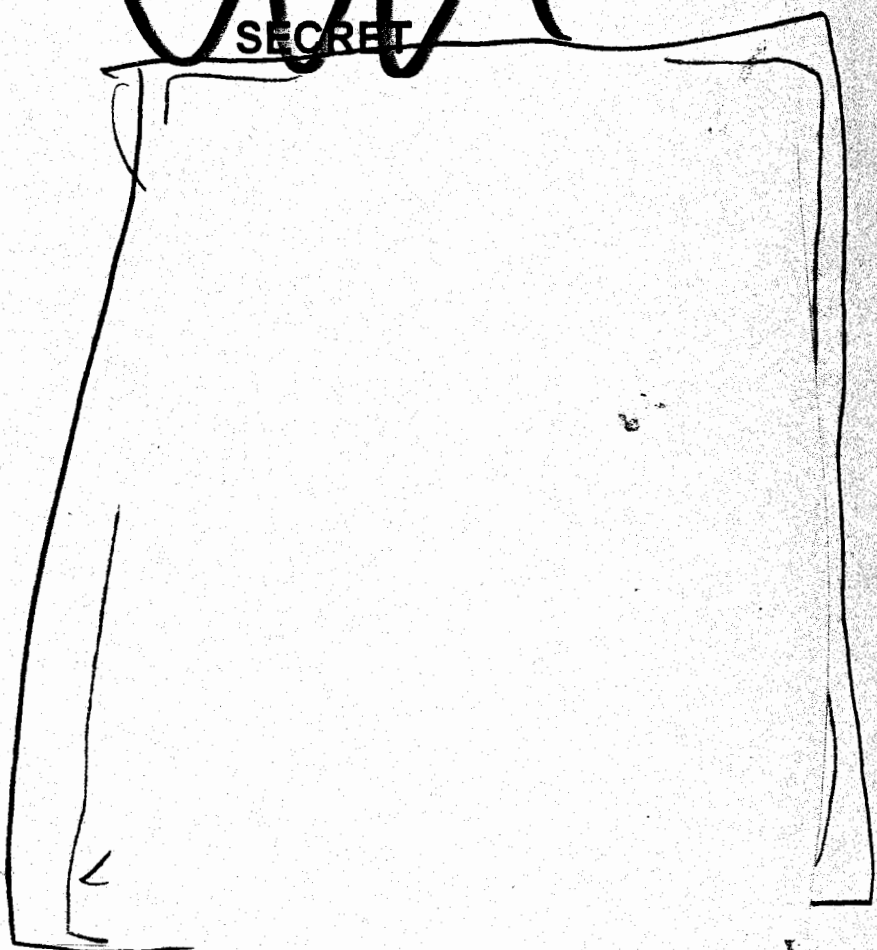
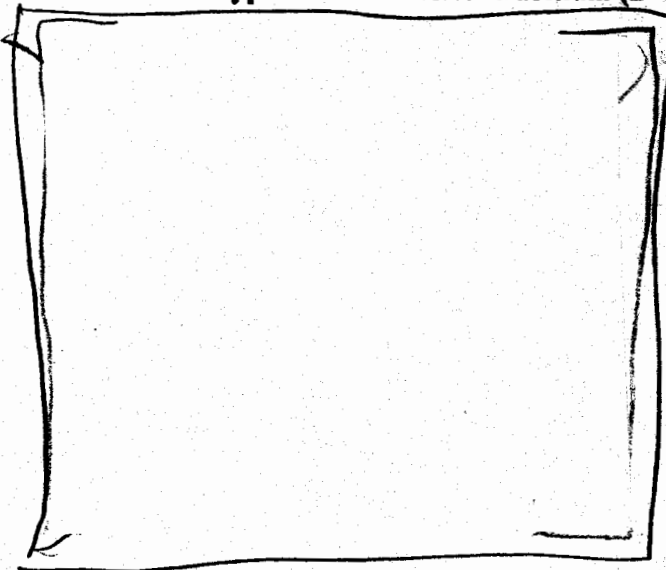


Figure 5. Cutaway of Type 76 Pit

Reservoir - Type 2A-24 Deuterium-Tritium (D-T) gas reservoir and valve assembly

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Each Type 1A squib contains an electro-exploding device (EED) that initiates 25 mg of lead styphnate, which in turn initiates 175 mg of Ball Powder (black powder). The Type 1A valve assembly contains a visible thermal plug that is designed to open in a fire environment (operating temperature 104°C). If the actuator squibs fire with the thermal plug open, the gas generated by the actuators is vented to the outside and the plunger will not be forced onto the reservoir and pit tubes with enough velocity to cut the tubes. Cutting these tubes is the only way of transferring the D-T gas to the pit.